PIONEER®
The future of sound and vision.

CS-V180

Operating Instructions
Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso
Manual de instrucciones

Speaker System
Système d'enceintes acoustiques
Lautsprechersystems
Diffusori
Sistema de altavoces

SPARE PARTS MASTER

English

Français

Deutsch

Italiano

Español

Operating Instructions

* The exclusive speaker arm CP-V180 is necessary for installation of this speaker system.

- Thank you for buying this Pioneer product.
- Please read through this operating guide before using your speaker system so you know how to make the most of its performance. After you have finished reading the operating guide, store the guide in a safe place. You will then know where it is, should you wish to refer to it if something is unclear while the speaker system is being used.

FEATURES

1. High Performance Rear Reflecting Type for Vivid Sound Field

Two rear speakers are mounted at the rear of the speaker cabinet. Delay effect of the rear speakers with respect to the front speakers results in deep and vivid sound.

2. High Quality Speaker System for Ceiling Installation for optimum use in any Commercial Space

Its wide range allows various applications including "karaoke" (sing-along) speaker.

3. High Input Power

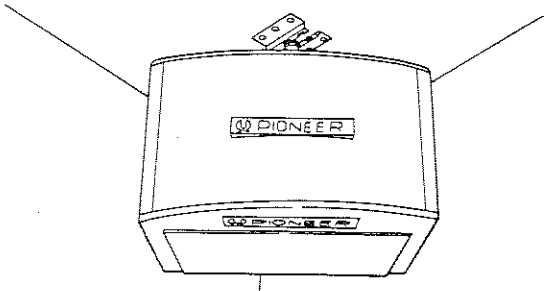
This speaker system has a high input power of 400 W for professional application.

BEFORE USE

- The nominal impedance of this speaker system is 6 ohms. Connect the speaker system to a stereo amplifier with a load impedance ranging from 4 to 16 ohms (a model with "4–16Ω"displayed on the speaker output terminals).
- In order to prevent damage to the speaker system resulting from input overload, please observe the following precautions:
  - Do not supply power to the speaker system in excess of the maximum permissible input.
  - When connecting or disconnecting pin-plugs, be sure that amplifier power is OFF.
  - When using a graphic equalizer to emphasize loud sounds of a high frequency range, do not use excessive amplifier volume.
  - Do not force a low-powered amplifier to produce loud volumes of sound (the amplifier's harmonic distortion will be increased, and you may damage the tweeter).
- To protect the tweeter from excessive input power and abnormal signals, an automatic-reset type protective device is installed.
  When an excessive input is sent to the tweeter, the protective device is activated, and high frequency sounds cease to be produced. In this case, reduce the amplifier volume. The protective device will reset itself in about 5 — 10 seconds.
- This speaker system is magnetically shielded. It will not cause any color changes in the TV display when used in combination with a PIONEER Component Display. Irregular colors may be caused in some brands of TV displays if installation is improper. In such a case switch OFF the TV set and turn it ON again after 15 to 30 minutes. If irregular color still remains, place the speaker system away from the TV set.

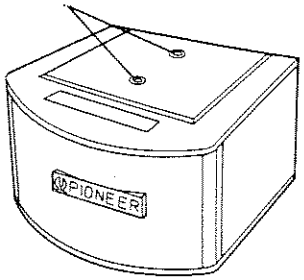
INSTALLATION

- Install the speaker system to the ceiling with the optional speaker arm CP-V180. Vividness and sound quality depend on proper installation. Refer to "Precautions for Installation", before deciding the installation location.



There had better be 20 to 50 cm space between the rear of the speaker and the wall, to get the "High Performance Rear Refrector" effect sufficiently.

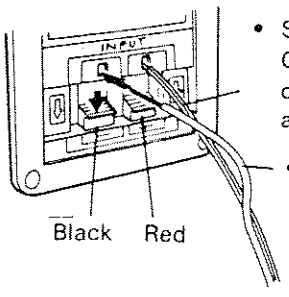
- The top board of the CS-V180 is provided with these two bolts.



CONNECTION TO STEREO AMPLIFIER

1. Swtich OFF the power of the amplifier.
2. Connect the input terminal of the speaker system to the speaker output terminal of the amplifier. Connect the striped cord to the (+) terminal cord and the unstriped cord to the (−) terminal.

1. Strip the insulation at the tip of the cord.
2. Push the lever and insert the cords into the holes.



- Striped cord
  Connect to the (+) speaker output terminal of the amplifier.
- Unstriped cord
  Connect to the (−) speaker output terminal of the amplifier.

NOTES:

- *Make sure that the speaker cords are connected to the terminals securely. Insecure connections may cause not only sound to be interrupted and noise to be generated but also the cords to be shorted and the amplifier to break down.*
- *When listening to a stereo performance with the speaker system connected to a stereo amplifier, you will find that the bass is insufficient, the sound is not spread out and there is no stereo effect if the cords of one of the speaker systems have been plugged into terminals with wrong polarity.*
- *Viewed from the front, connect the right-side speaker system to the right channel (R) of amplifier's speaker output terminals, and the left-side speaker system to the left channel (L).*

INSTALLING/REMOVING THE GRILL NET

The grill net at the front of the speakers is removable.
Install/remove the grill net as follows:

1. Removing: Hold the left and right side of the grill net with both hands and pull the grill net towards you.
2. Installing: Align the protruding portions (in two places) at the center of the grill net with the holes in the speaker, and push them in.
   Also press the four corners of the velcro tape onto the the four corners of the grill net.

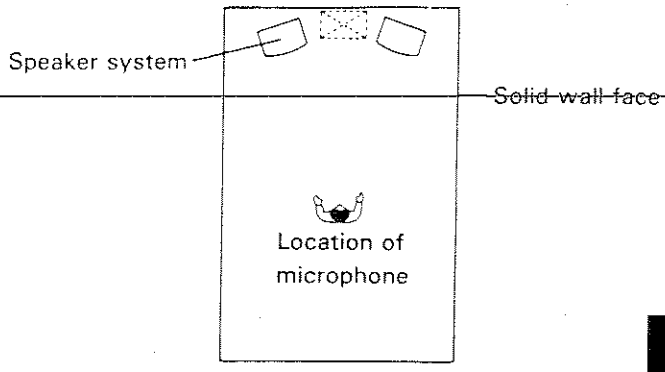
PRECAUTIONS FOR INSTALLATION

- The CS-V180 has two built-in rear speakers. To get the delay effect enough, the speaker had better be installed at least 20 cm away from the wall.
- Check the ceiling before installation and confirm it has sufficient strength to support the weight of the speaker system. PIONEER will not take any responsibility for accidents caused by falling of the speaker system due to insufficient strength of ceiling or improper installation.
- If you cannot identify the ceiling material and thickness, ask a qualified technician.
- For ceiling installation, please also read the Operating Instructions of the speaker arm CP-V180.
- Do not install in such places as exposed to the direct rays of sun or near heat sources.
  These may cause deformation, discoloration or speaker malfunction.
- Because of its heavy weight, only install in stable places. Do not install it by other methods than specified in the manual.

INSTALLATION EXAMPLE 1

General Commercial Space

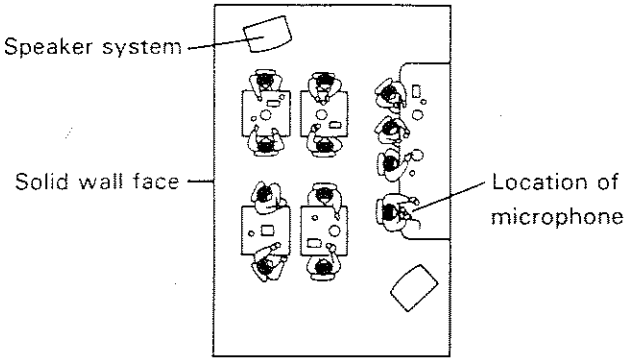
Avoid having sound absorbing material such as curtains etc. on the wall.



INSTALLATION EXAMPLE 2

Installation on more than one wall.

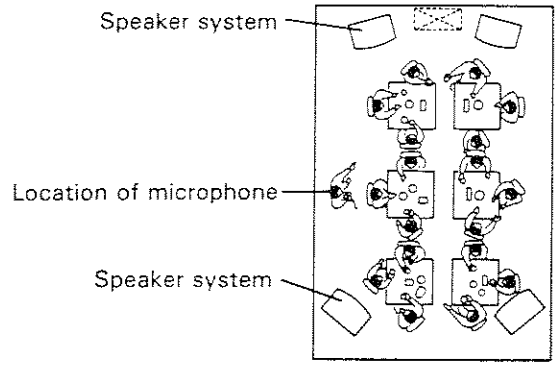
Install in such a way that the sound will reverberate on the wall and spread.



INSTALLATION EXAMPLE 3

Large hall.

Install as in Example 2 so that the sound will spread.



- When using several speakers, take care to match their load (impedance) to the stereo amplifier.

SPECIFICATIONS

Enclosure . . Free-setting style, Bass-reflex, Magnetically shield type
System . . . . . 3-way, 6-speaker system
Woofer . . . . . 16 cm (6 in) cone type × 2
Tweeter . . . . . 7.7 cm (3 in) cone type × 2
Rear tweeter . . . . . 7.7 cm (3 in) cone type × 2
Nominal impedance . . . . . 6 Ω
Frequency Range . . . . . 45 Hz to 20,000 Hz
Sensitivity . . . . . 90 dB/Watt (1 m)
Maximum power . . . . . 400 W
Crossover frequency . . . . . 1,500 Hz
External Dimensions . 508 (W) × 317 (H) × 314 (D) mm
20 (W) x 10-1/4 (H) x 12-3/8 (D) in
Weight . . . . . 15.5 kg/34 lb 3 oz (each one)
Accessories
. . . . . Speaker cord × 2
Operating Instructions × 1

Specifications and design subject to possible modification without notice, due to improvement.

CABINET MAINTENANCE

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the cabinet is very dirty, wipe with a soft cloth which was moistended with water-diluted cleanser; then wipe again with a dry cloth.Do not use furniture wax or cleaners. They may damage the surface of the cabinet.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near the cabinets, since these will corrode the surfaces.

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